Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600 Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls **Run Date(s): 7/23/18-7/24/18**

calibration: 7/23/18

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	NB ~~0.7870~~ g/100cc
					0.0813 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2013 g/100cc
					g/100cc
					g/100cc

NB 0.0787

Multi-Component mixture:	**Exp date: Sept 2020**	**Lot #**	FN06041502	OK
Curve Fit:	**Column 1**	1.00000	**Column2**	0.99998

Ethanol Calibration Reference Material

Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0507	0.0516	0.0009	0.0511
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Aug-21	FN08101601	0.100	0.090 - 0.110	0.0996	0.0991	0.0005	0.0993
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1996	0.1991	0.0005	0.1993
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2998	0.2995	0.0003	0.2996
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Sep-21	FN08031602	0.500	0.450 - 0.550	0.5003	0.5007	0.0004	0.5005

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	May-22	FN04171701	0.08000	0.076 - 0.084	0.080 g/100cc

NB

~Any information on this document can be changed for laboratory use, except for the precision and mean determination fomulas.

7/23/2018

Worklist: 2590

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2018-3520	1	121168	Alcohol Analysis
M2018-3558	2	121514	Alcohol Analysis
M2018-3563	1	121579	Alcohol Analysis
M2018-3564	1	121580	Alcohol Analysis
M2018-3565	1	121581	Alcohol Analysis
M2018-3566	1	121585	Alcohol Analysis
M2018-3567	1	121586	Alcohol Analysis
M2018-3568	1	121588	Alcohol Analysis
M2018-3578	1	121632	Alcohol Analysis
M2018-3592	1	121734	Alcohol Analysis
M2018-3593	1	121739	Alcohol Analysis
M2018-3598	1	121766	Alcohol Analysis
M2018-3606	1	121781	Alcohol Analysis
M2018-3617	1	121870	Alcohol Analysis
M2018-3618	1	121874	Alcohol Analysis
M2018-3619	1	121875	Alcohol Analysis
M2018-3623	1	121879	Alcohol Analysis
M2018-3634	1	121923	Alcohol Analysis
P2018-1985	1	121515	Alcohol Analysis

Method C:\CHEM32\1\METHODS\ALCOHOL.M

Calibration Table

General Calibration Setting

Calib. Data Modified : Monday, July 23, 2018 3:21:16 PM
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-propanol
2	1.00000	n-propanol

Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

Overview Table

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No	1	methanol
2.809	1	1	1.00000	4.26100	2.34687e-1	No	No	2	Acetaldehyde
2.977	2	1	1.00000	4.26100	2.34687e-1	No	No	2	Acetaldehyde
3.075	1	1	5.00000e-2	4.67877	1.06866e-2	No	No	1	ethanol
		2	1.00000e-1	9.39144	1.06480e-2				
		3	2.00000e-1	18.52559	1.07959e-2				
		4	3.00000e-1	28.66901	1.04643e-2				
		5	5.00000e-1	47.37736	1.05536e-2				
3.388	2	1	1.00000	4.26062	2.34707e-1	No	No	2	methanol
3.628	1	1	1.00000	9.73055	1.02769e-1	No	No	1	isopropyl alcohol
4.285	2	1	5.00000e-2	4.86671	1.02739e-2	No	No	2	ethanol
		2	1.00000e-1	9.71005	1.02986e-2				
		3	2.00000e-1	19.27909	1.03739e-2				
		4	3.00000e-1	29.94749	1.00175e-2				
		5	5.00000e-1	49.91303	1.00174e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	49.77996	2.00884e-2	No	Yes	1	n-propanol
		2	1.00000	49.78125	2.00879e-2				
		3	1.00000	48.49715	2.06198e-2				
		4	1.00000	49.77998	2.00884e-2				
		5	1.00000	49.16172	2.03410e-2				
4.661	2	1	1.00000	6.89301	1.45075e-1	No	No	2	acetone
4.969	2	1	1.00000	10.70642	9.34019e-2	No	No	2	isopropyl alcohol
7.550	2	1	1.00000	51.83155	1.92933e-2	No	Yes	2	n-propanol
		2	1.00000	51.68631	1.93475e-2				
		3	1.00000	50.00145	1.99994e-2				
		4	1.00000	51.28912	1.94973e-2				
		5	1.00000	50.84426	1.96679e-2				

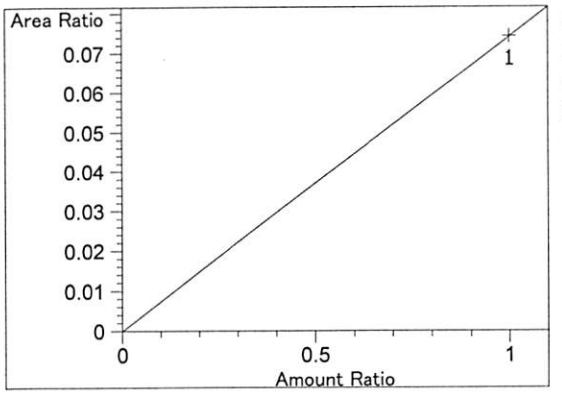
Peak Sum Table

No Entries in table

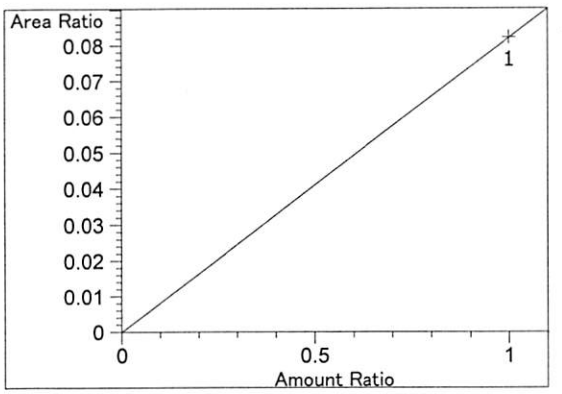
51 Warnings or Errors (10 first messages follow) :

Warning : Curve requires more calibration points., (methanol)
Warning : Curve requires more calibration points. at 2.586 min, signal 1
Warning : Curve requires more calibration points. at 2.809 min, signal 1
Warning : Curve requires more calibration points. at 2.977 min, signal 2
Warning : Curve requires more calibration points. at 3.388 min, signal 2
Warning : Curve requires more calibration points. at 3.628 min, signal 1
Warning : Curve requires more calibration points. at 4.308 min, signal 1
Warning : Curve requires more calibration points. at 4.62 min, signal 1
Warning : Curve requires more calibration points. at 4.661 min, signal 2
Warning : Curve requires more calibration points. at 4.969 min, signal 2

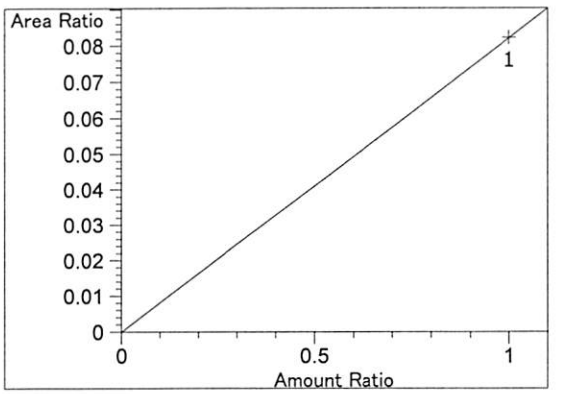
Calibration Curves



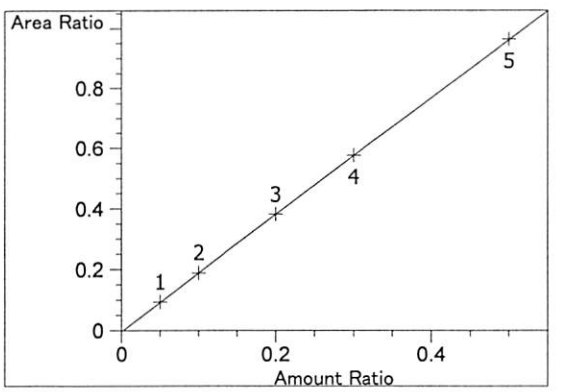
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7.42607e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.22086e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

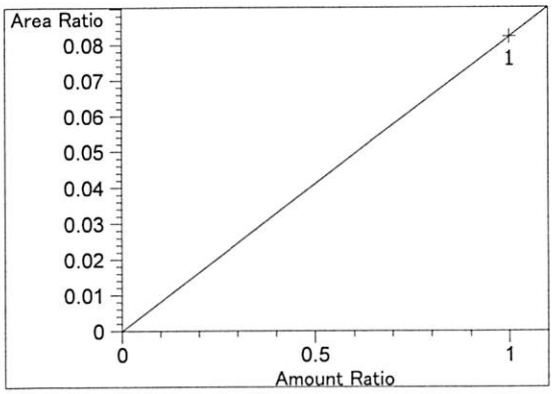


Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.22086e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

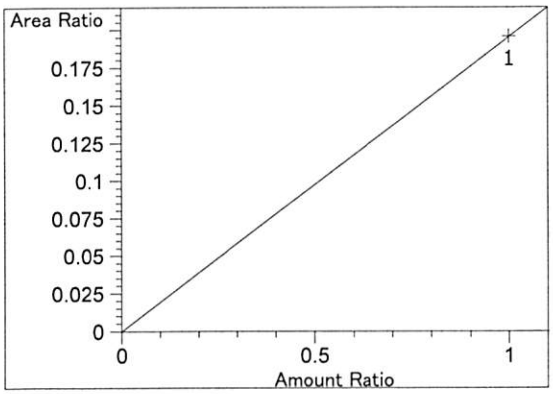


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00107
Formula: y = mx + b
m: 1.93446
b: -4.07550e-3
x: Amount Ratio
y: Area Ratio

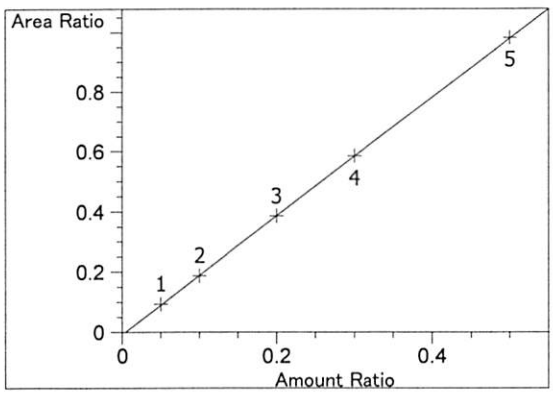
NB



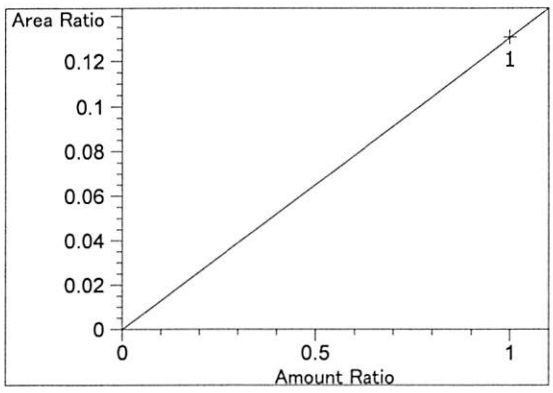
methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.22014e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



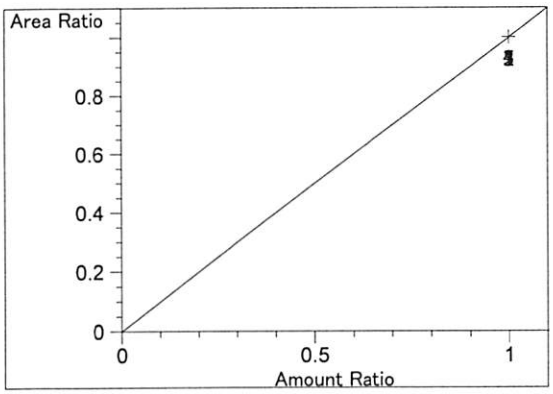
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.95471e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



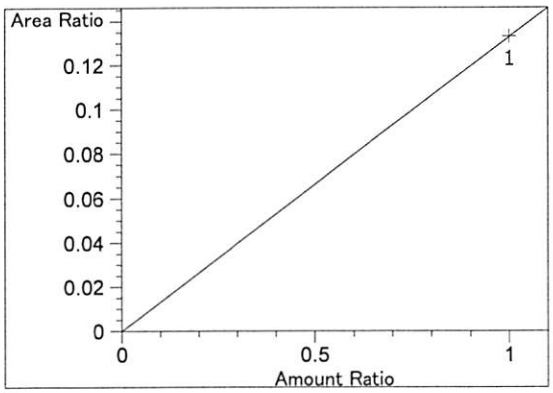
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00250
Formula: y = mx + b
m: 1.97685
b: -8.09361e-3
x: Amount Ratio
y: Area Ratio



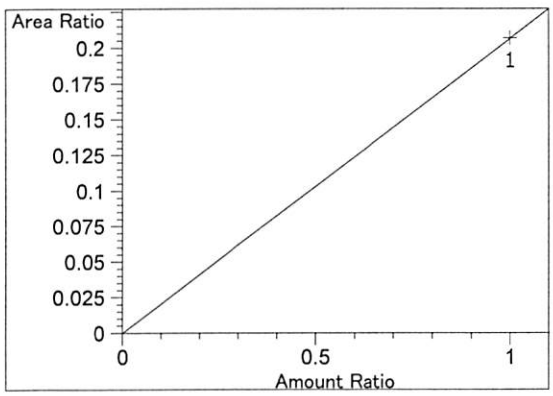
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.30563e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



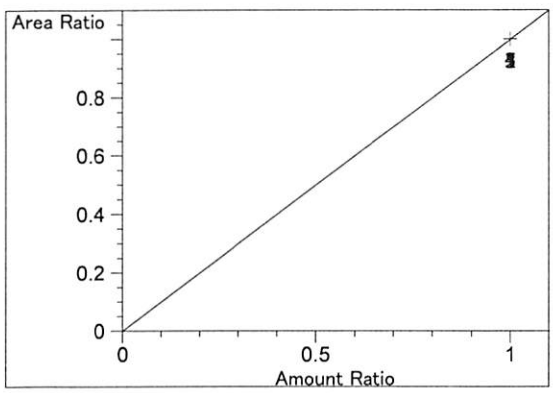
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.32989e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.06562e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

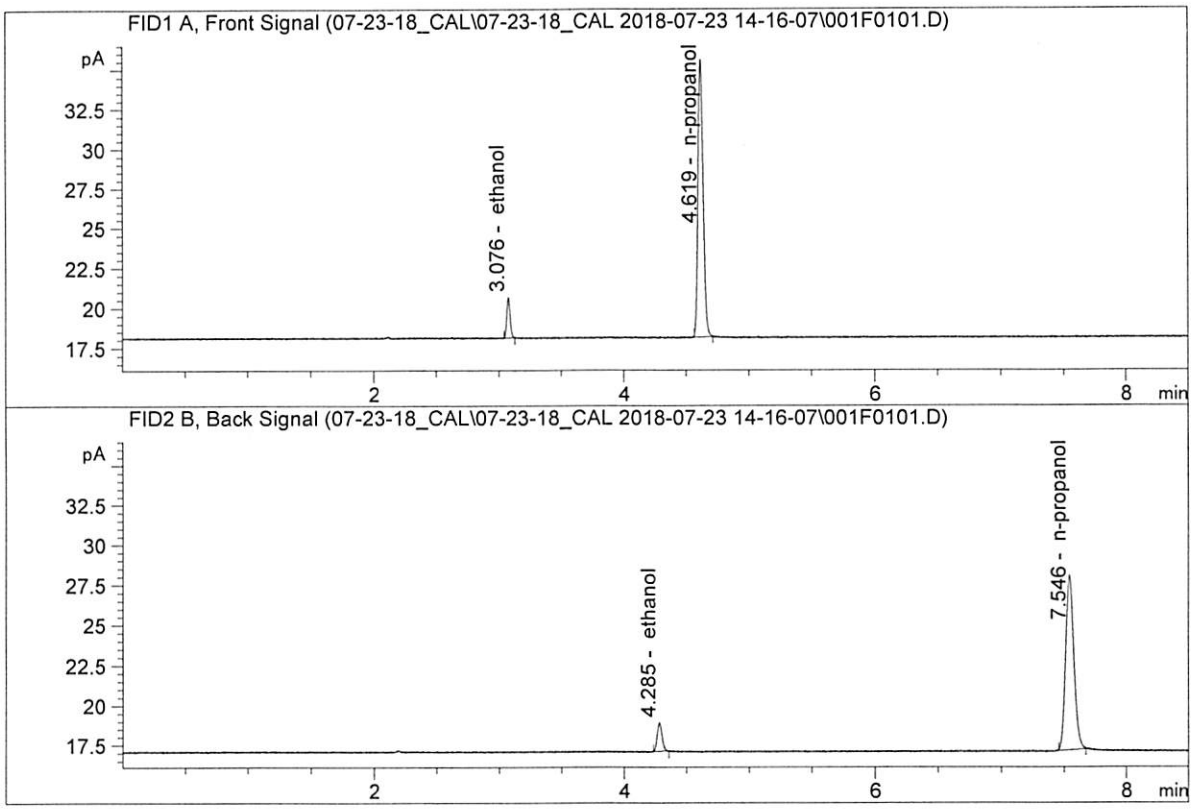


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

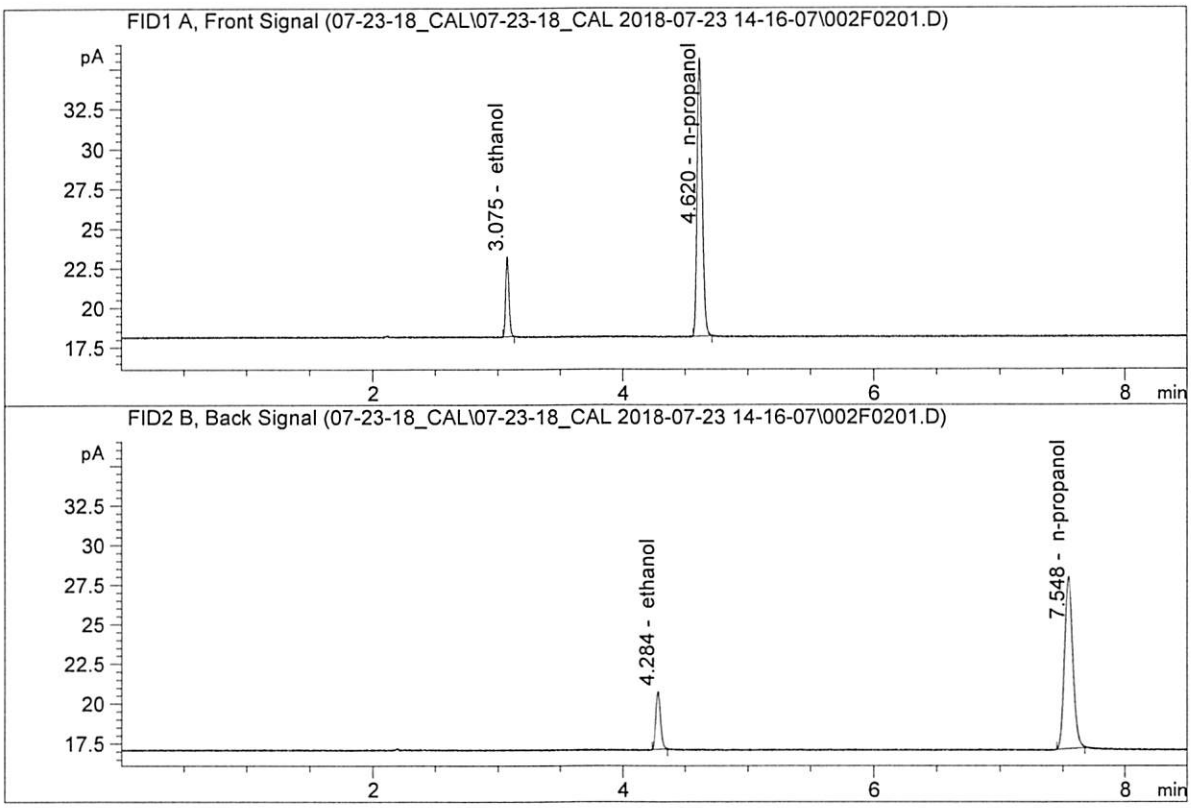


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.67877	0.0507	g/100cc
2.	Ethanol	Column 2:	4.86671	0.0516	g/100cc
3.	n-Propanol	Column 1:	49.77996	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.83155	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

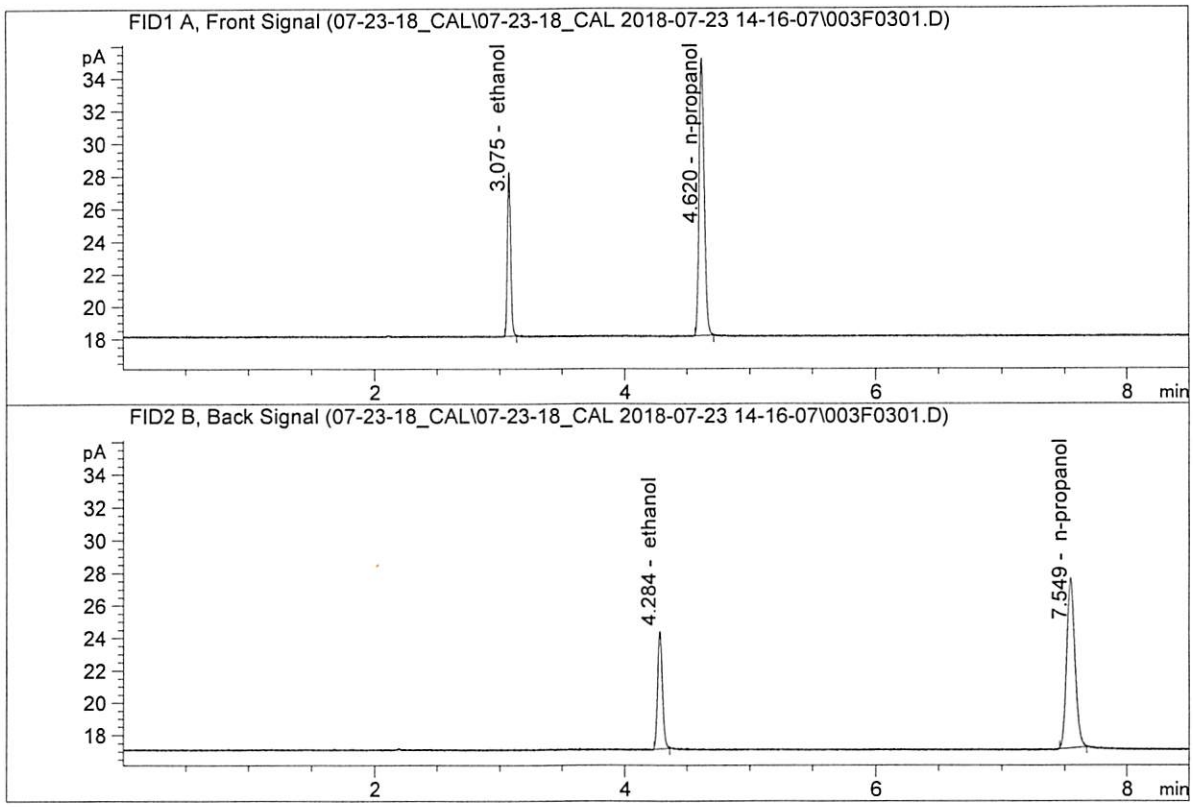


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.39144	0.0996	g/100cc
2.	Ethanol	Column 2:	9.71005	0.0991	g/100cc
3.	n-Propanol	Column 1:	49.78125	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.68631	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN03301601
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

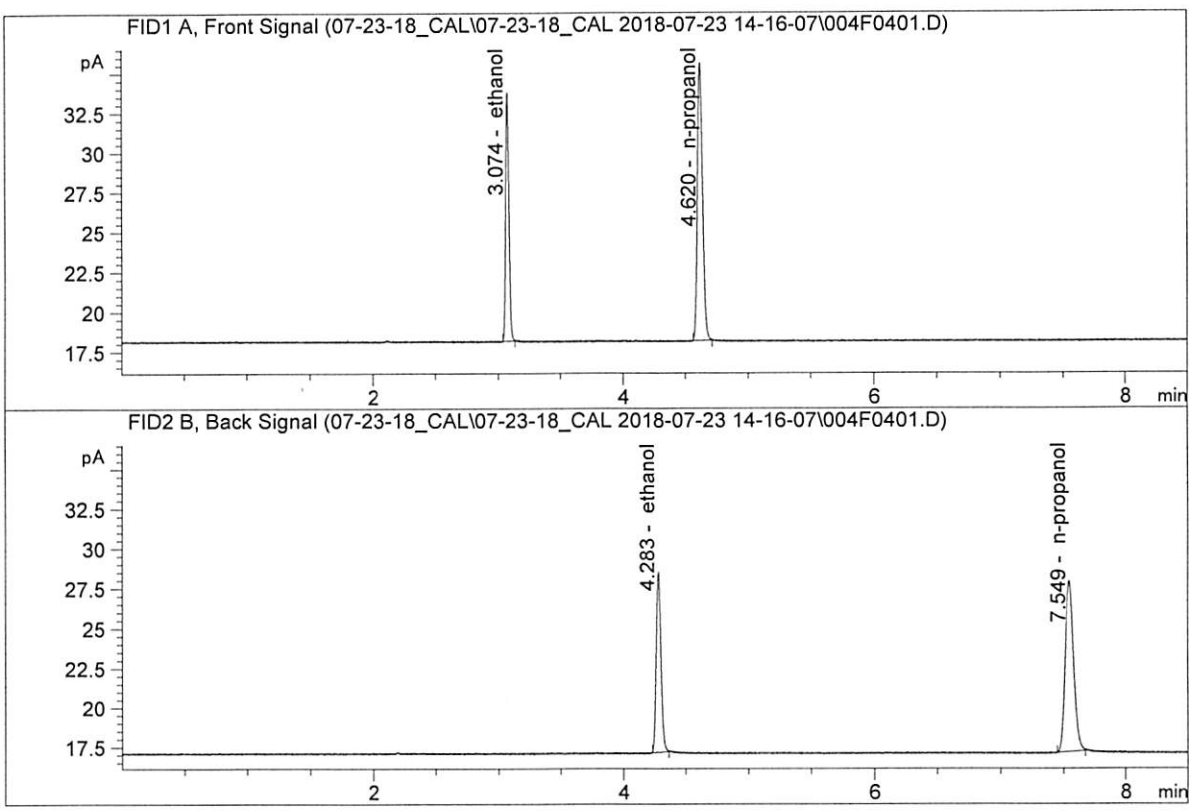


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.52559	0.1996	g/100cc
2.	Ethanol	Column 2:	19.27909	0.1991	g/100cc
3.	n-Propanol	Column 1:	48.49715	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.00145	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

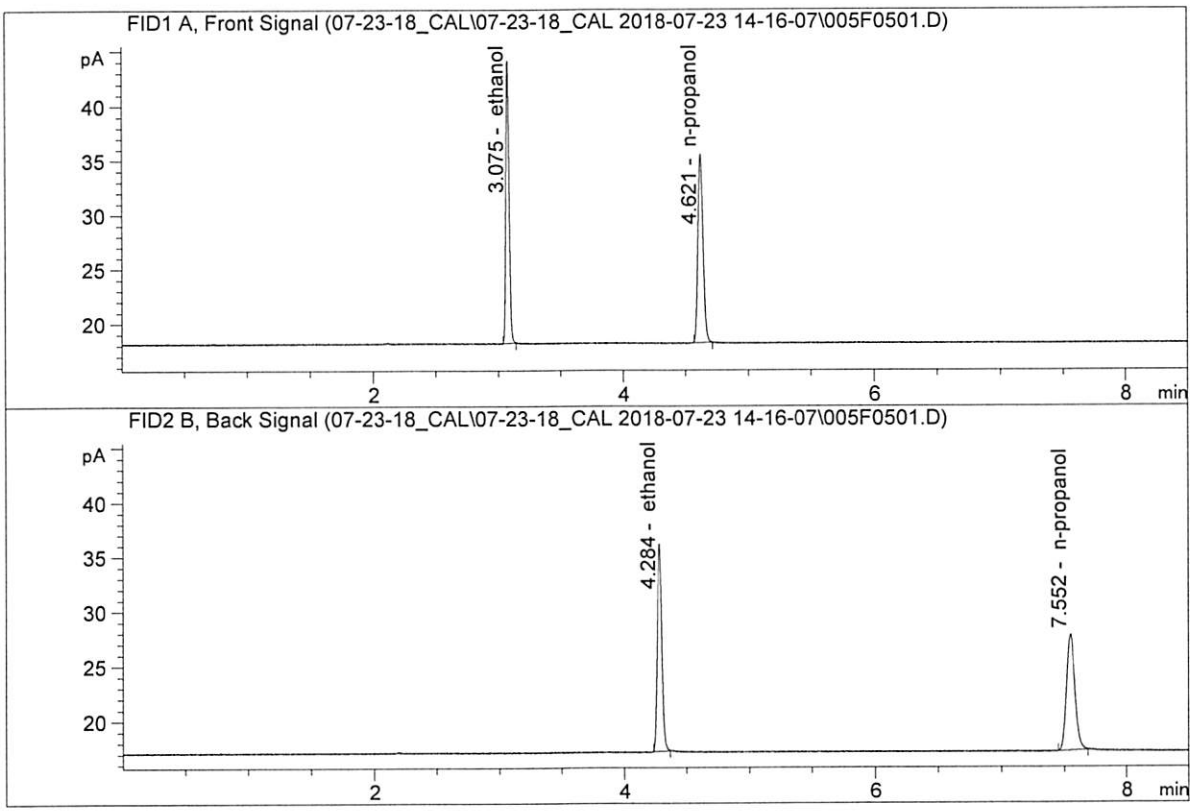
Sample Name : 0.300 FN02121601
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	28.66901	0.2998	g/100cc
2.	Ethanol	Column 2:	29.94749	0.2995	g/100cc
3.	n-Propanol	Column 1:	49.77998	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.28912	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

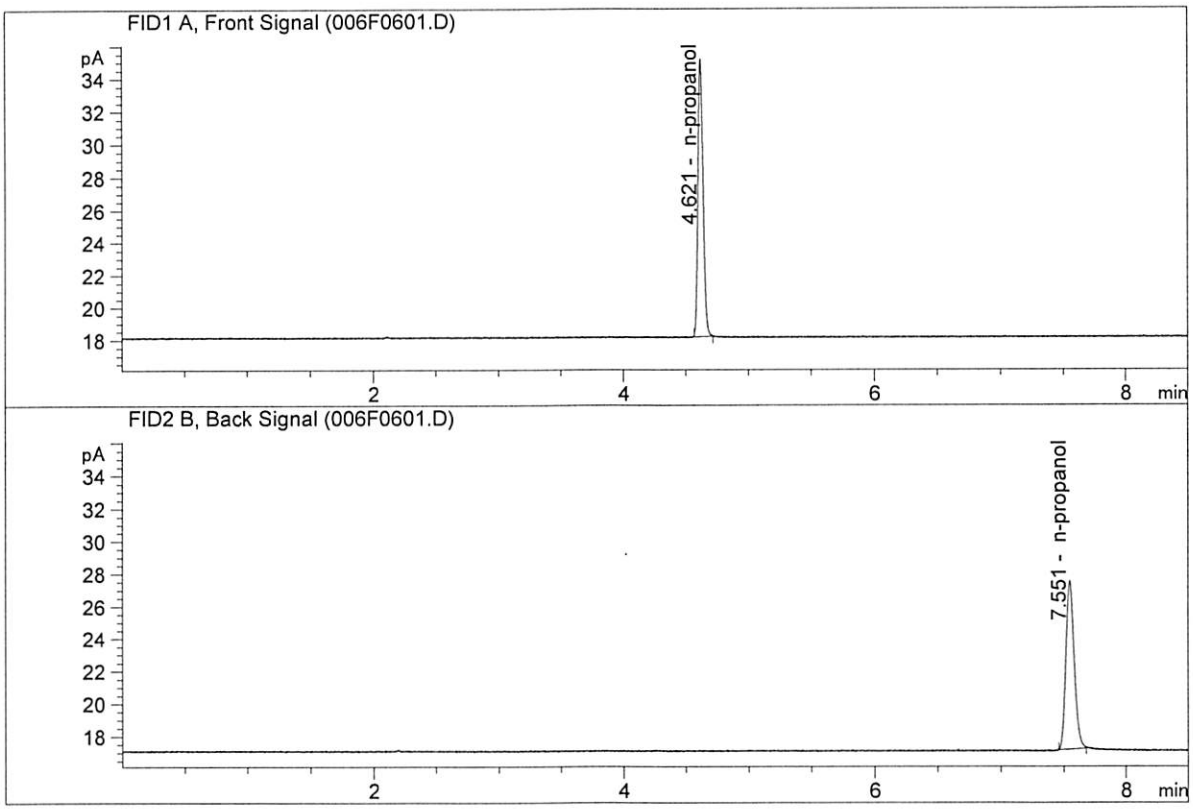
Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	47.37736	0.5003	g/100cc
2.	Ethanol	Column 2:	49.91303	0.5007	g/100cc
3.	n-Propanol	Column 1:	49.16172	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.84426	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	48.39179	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.73267	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\07-23-18_CAL\07-23-18_CAL 2018-07-23 14-16-07\07-23-18_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\07-23-18_CAL\07-23-18_CAL 2018-07-23 14-16-07\07-23-18_CAL.S
Data directory path: C:\Chem32\1\Data\07-23-18_CAL\07-23-18_CAL 2018-07-23 14-16-07\
Logbook: C:\Chem32\1\Data\07-23-18_CAL\07-23-18_CAL 2018-07-23 14-16-07\07-23-18_CAL.LOG
Sequence start: 7/23/2018 2:30:44 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\07-23-18_CAL\07-23-18_CAL 2018-07-23 14-16-07\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN06231406	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN08101601	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN03301601	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN02121601	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN08031602	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 23 Jul 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0786	0.0789	0.0003	0.0787	0.0787	
(g/100cc)	0.0786	0.0788	0.0002	0.0787		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

Reported Result

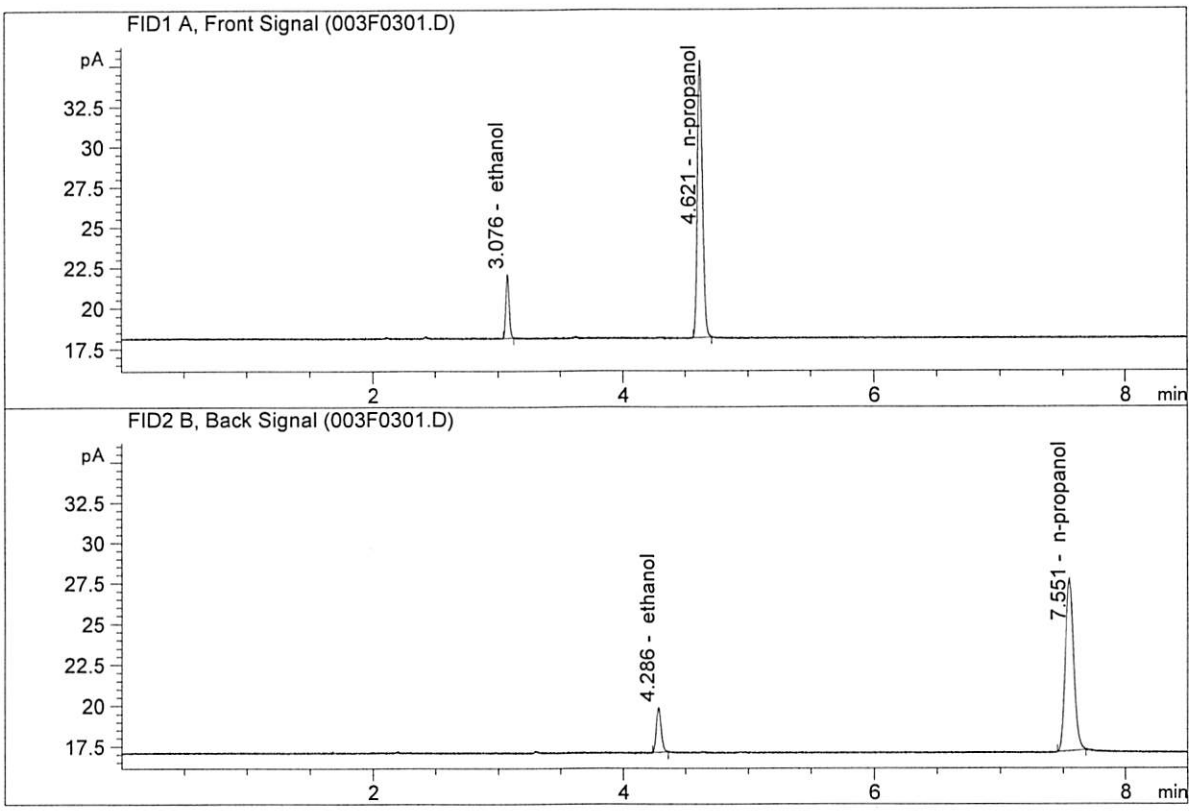
0.078

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

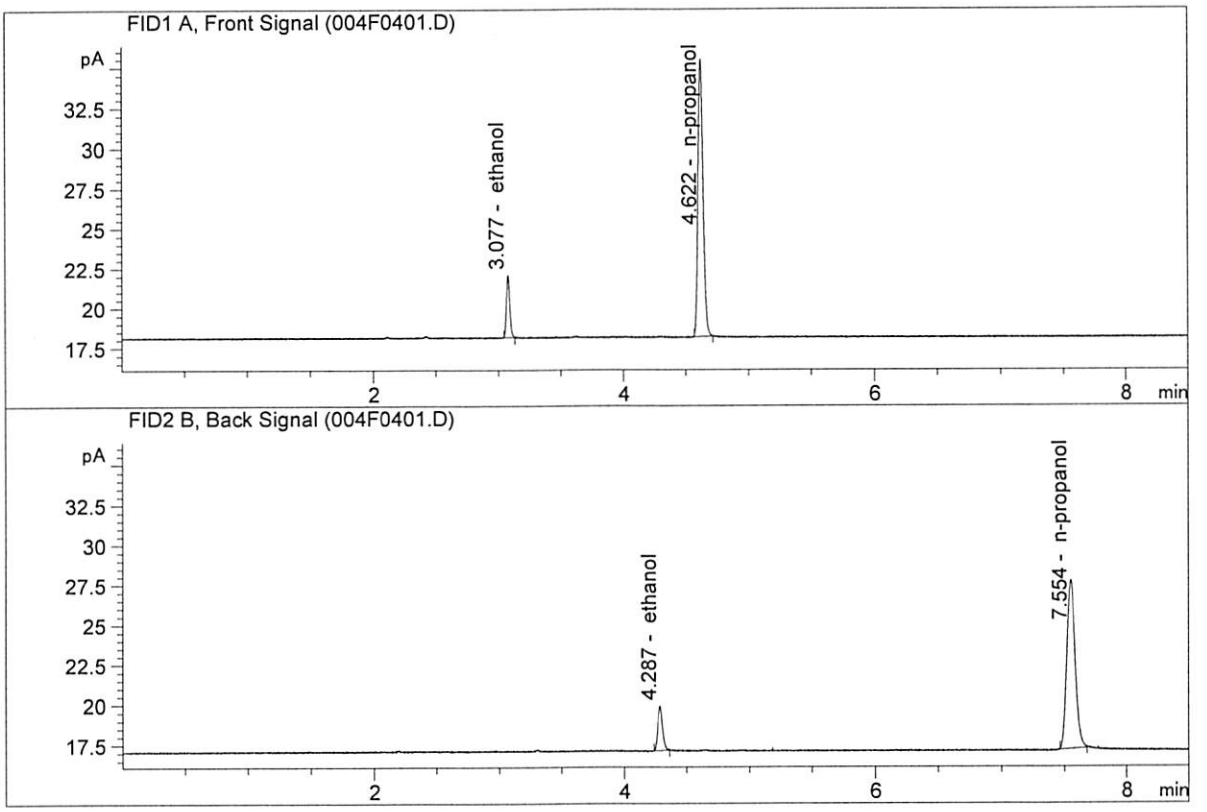


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.23821	0.0786	g/100cc
2.	Ethanol	Column 2:	7.43616	0.0789	g/100cc
3.	n-Propanol	Column 1:	48.88636	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.31638	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.28207	0.0786	g/100cc
2.	Ethanol	Column 2:	7.46785	0.0788	g/100cc
3.	n-Propanol	Column 1:	49.20057	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.53955	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 24 Jul 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0814	0.0814	0.0000	0.0814	0.0813	
(g/100cc)	0.0811	0.0815	0.0004	0.0813		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	**0.076**	**0.086**	**0.005**

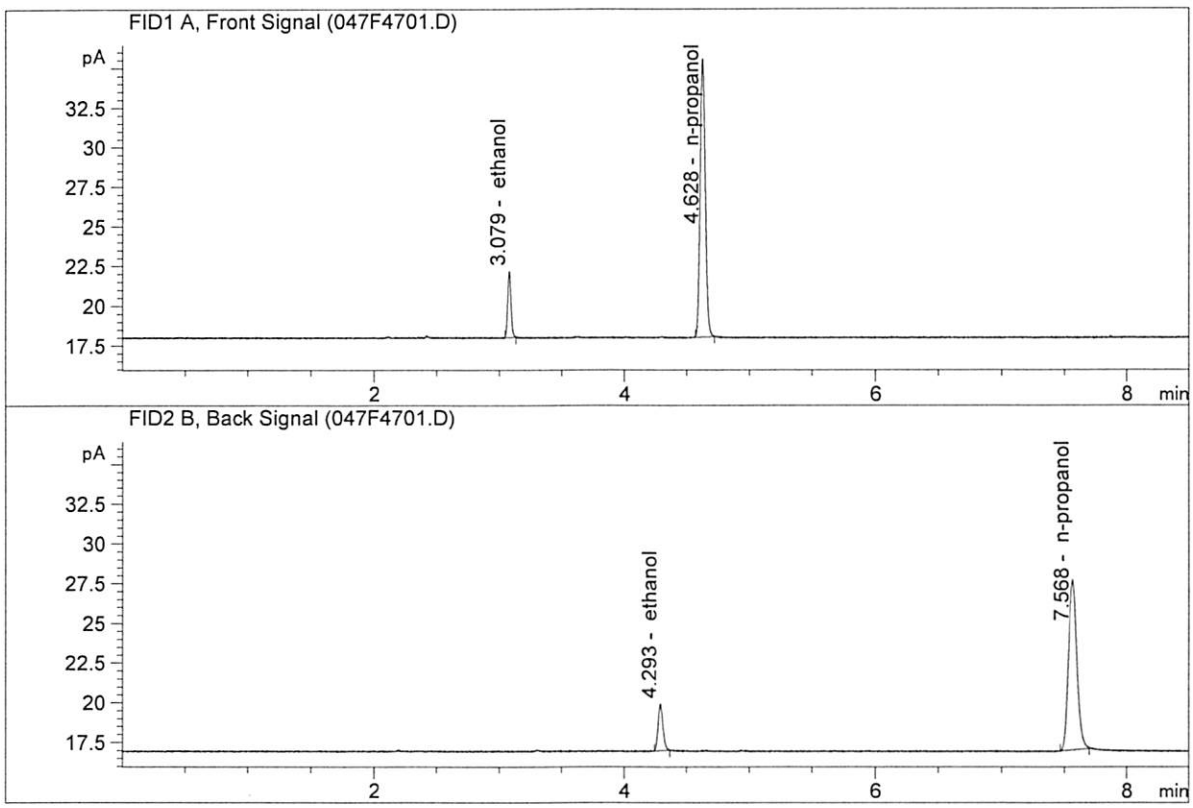
	Reported Result	
	0.081	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

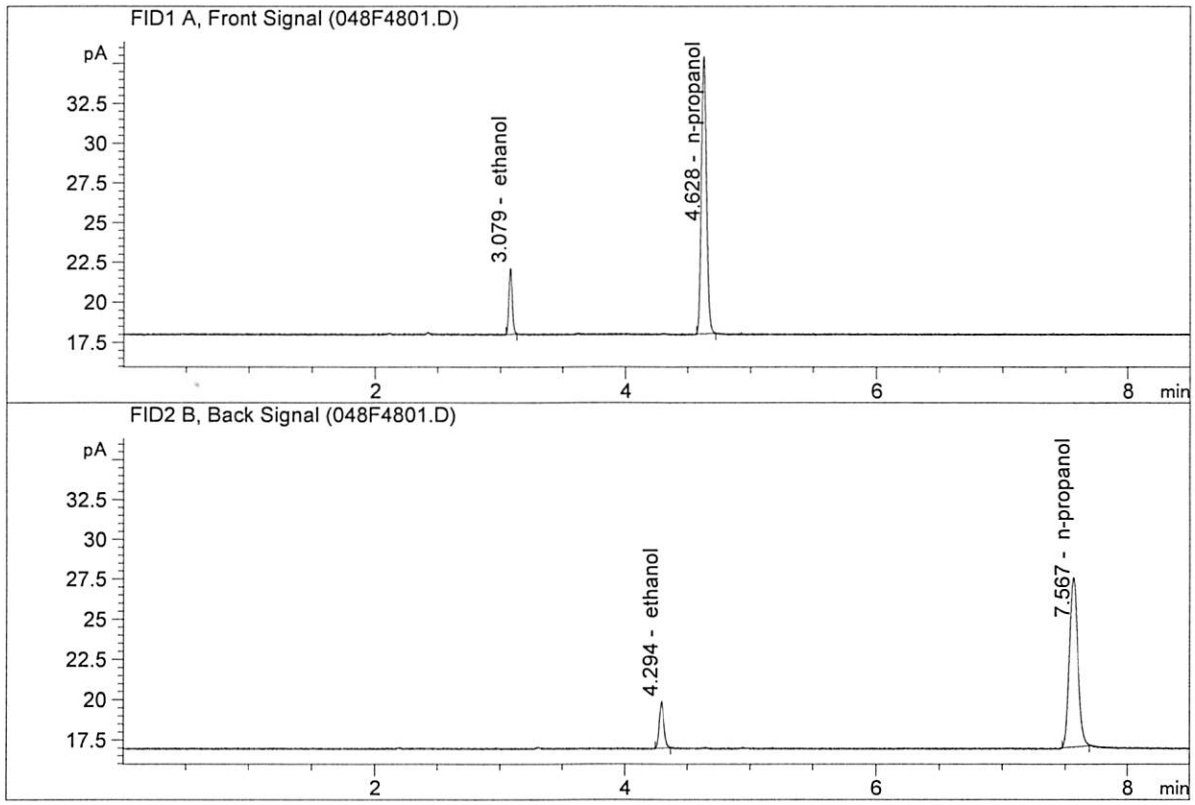
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.65479	0.0814	g/100cc
2.	Ethanol	Column 2:	7.84083	0.0814	g/100cc
3.	n-Propanol	Column 1:	49.88756	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.32581	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.57393	0.0811	g/100cc
2.	Ethanol	Column 2:	7.76878	0.0815	g/100cc
3.	n-Propanol	Column 1:	49.56207	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.75021	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 23 Jul 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2004	0.2014	0.0010	0.2009	0.2013	
(g/100cc)	0.2007	0.2027	0.0020	0.2017		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

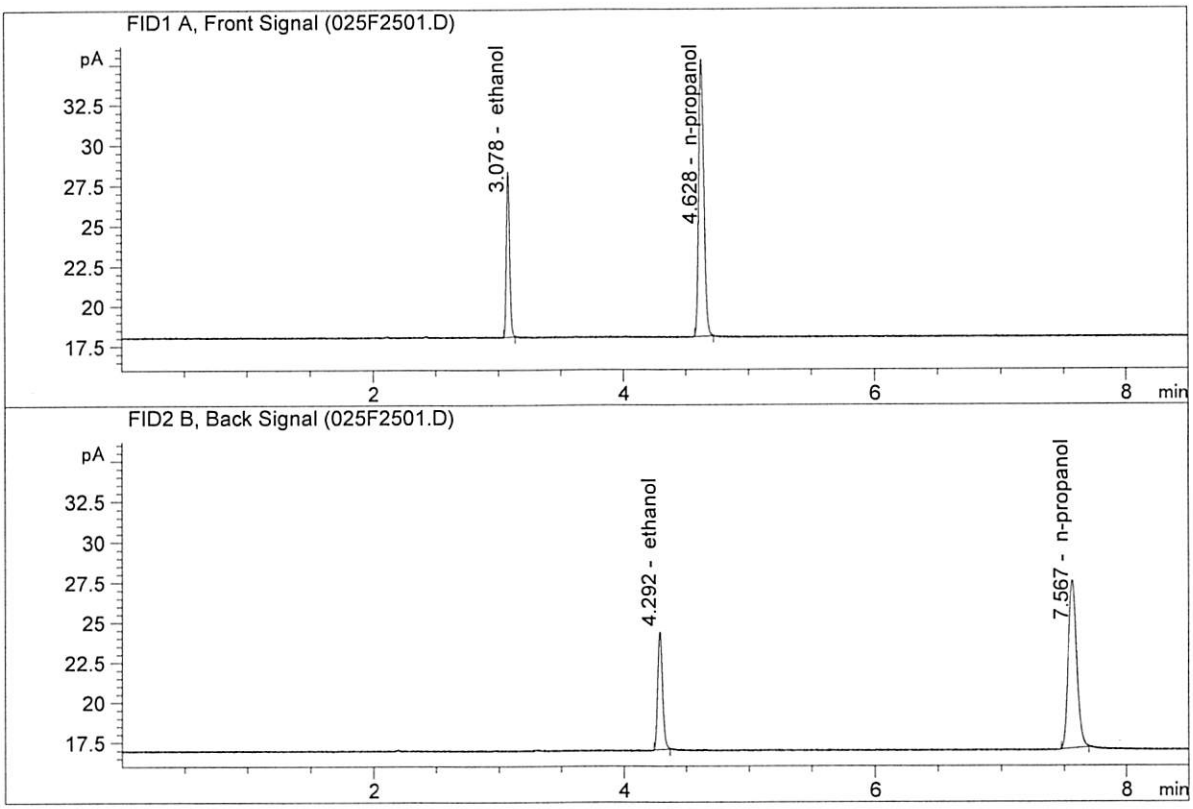
Overall Mean (g/100cc)	Low	High	5% of Mean
0.201	**0.190**	**0.212**	**0.011**

	Reported Result	
	0.201	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

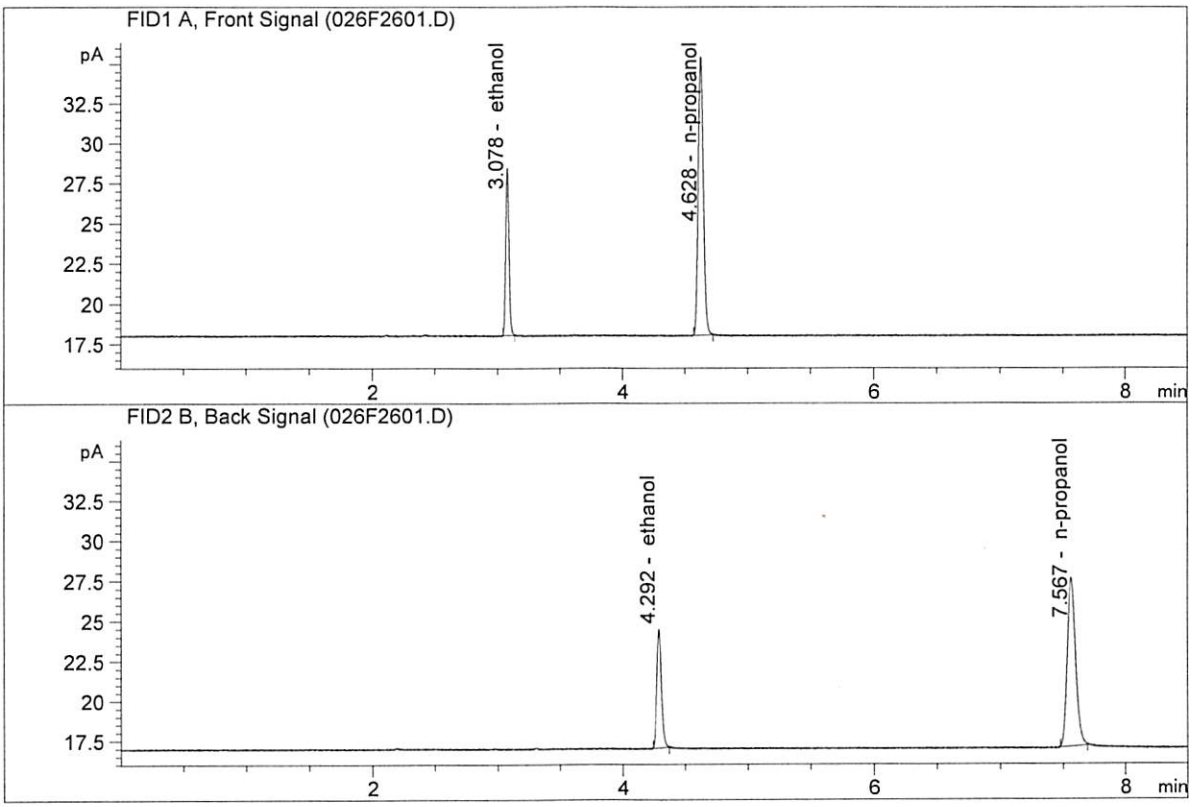


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.85074	0.2004	g/100cc
2.	Ethanol	Column 2:	19.64441	0.2014	g/100cc
3.	n-Propanol	Column 1:	49.14414	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.36556	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.04049	0.2007	g/100cc
2.	Ethanol	Column 2:	19.90624	0.2027	g/100cc
3.	n-Propanol	Column 1:	49.57380	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.70724	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 23 Jul 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0804	0.0804	0.0000	0.0804	0.0803	
(g/100cc)	0.0803	0.0803	0.0000	0.0803		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

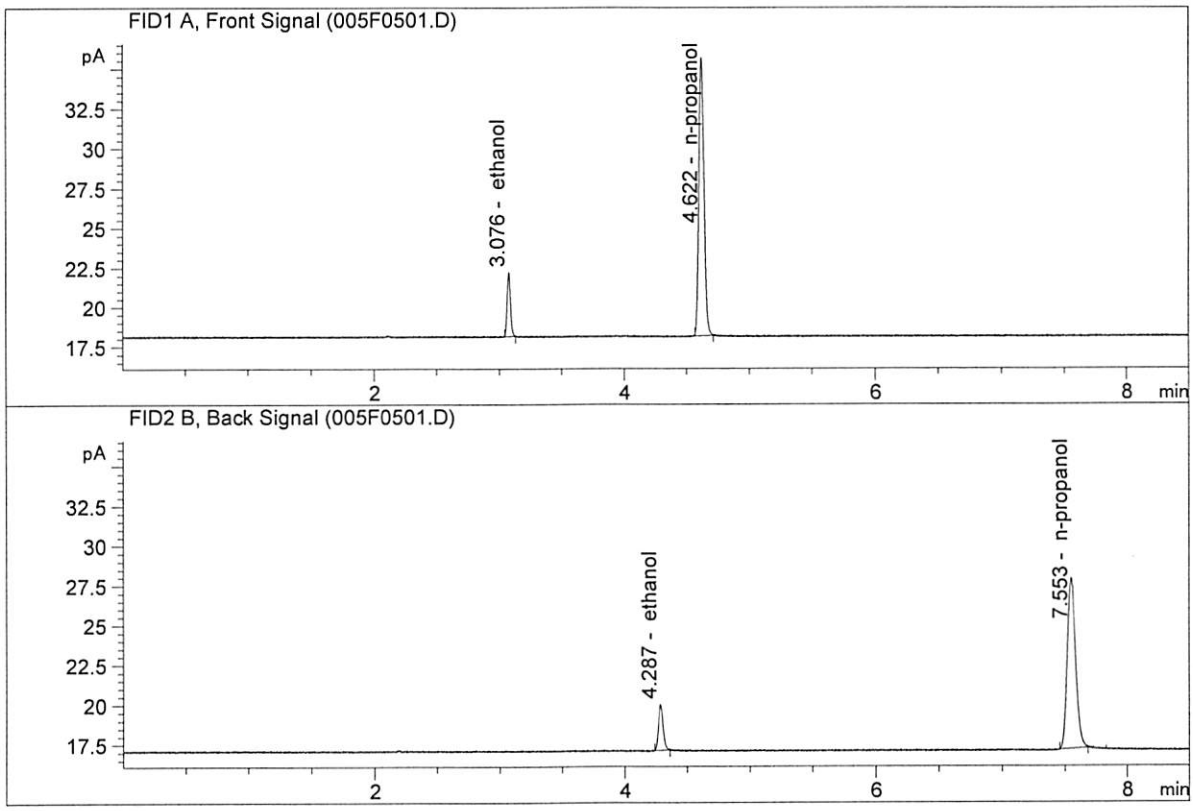
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

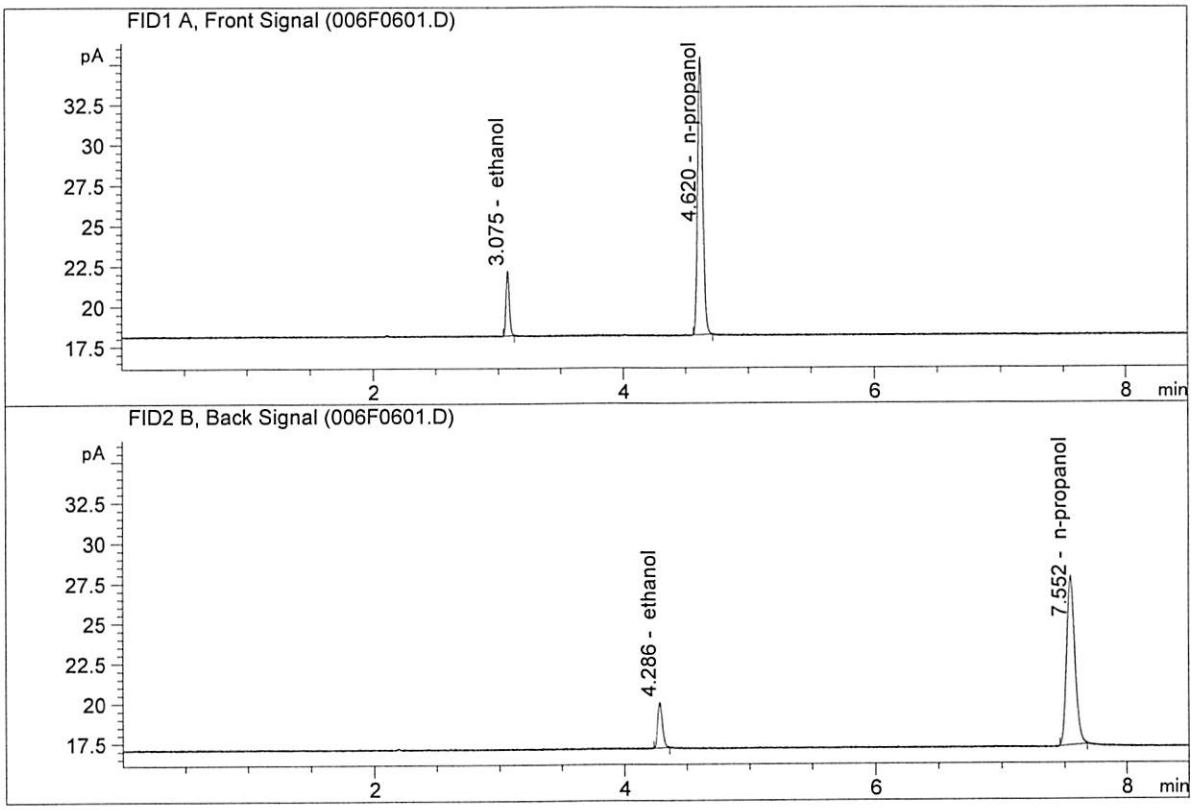


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.56903	0.0804	g/100cc
2.	Ethanol	Column 2:	7.75783	0.0804	g/100cc
3.	n-Propanol	Column 1:	49.97004	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.42542	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

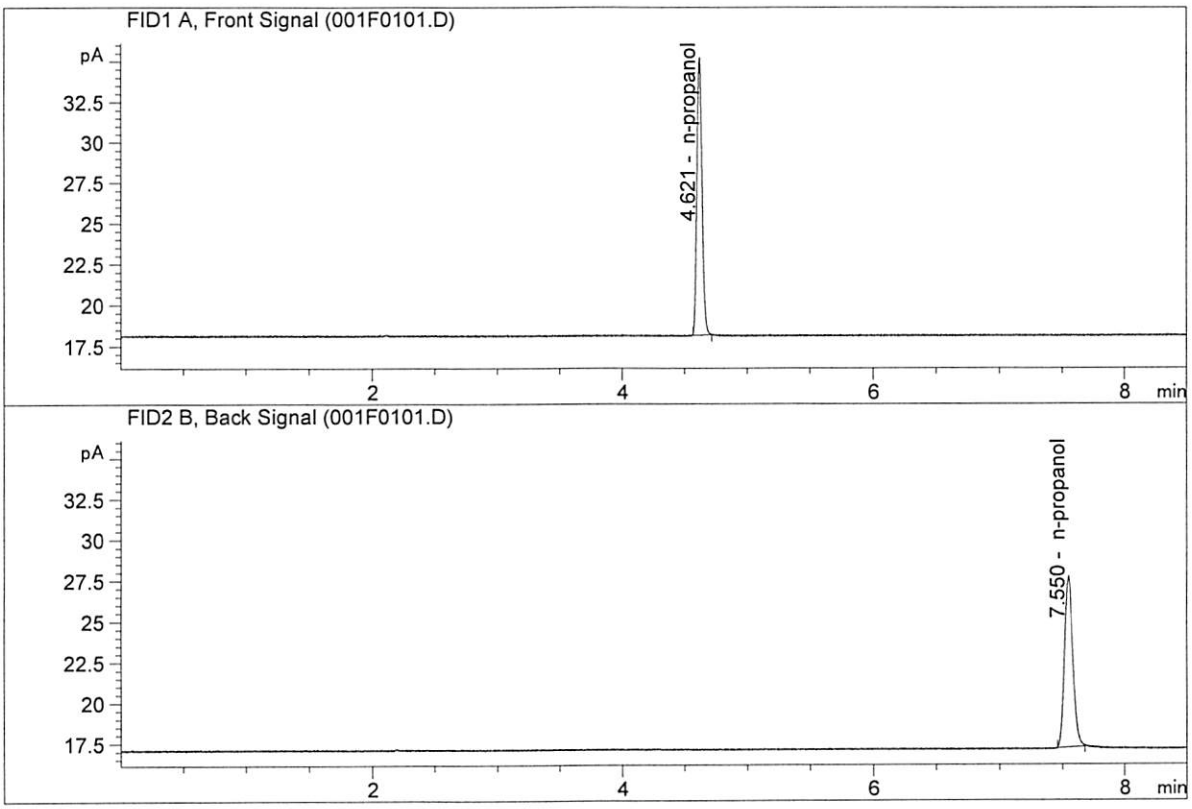
Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.45694	0.0803	g/100cc
2.	Ethanol	Column 2:	7.64382	0.0803	g/100cc
3.	n-Propanol	Column 1:	49.32953	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.76750	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

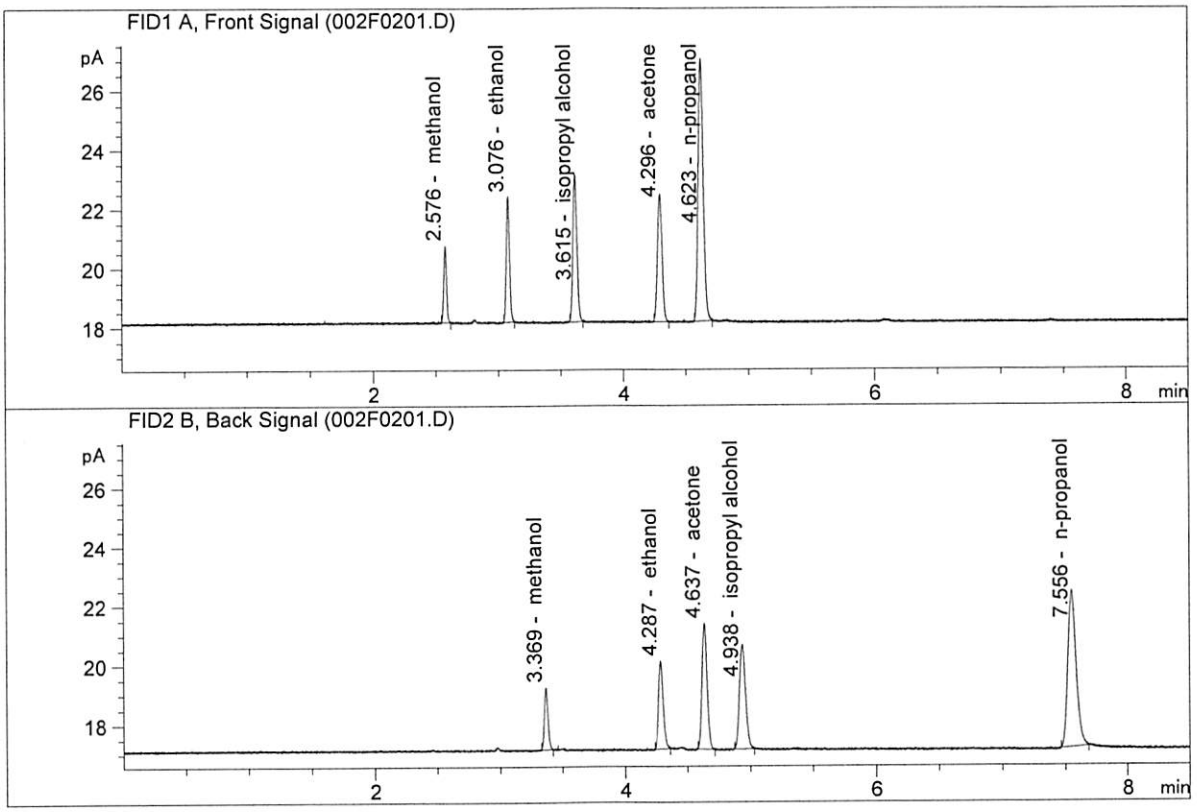


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	48.63162	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.25413	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Jul 23, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

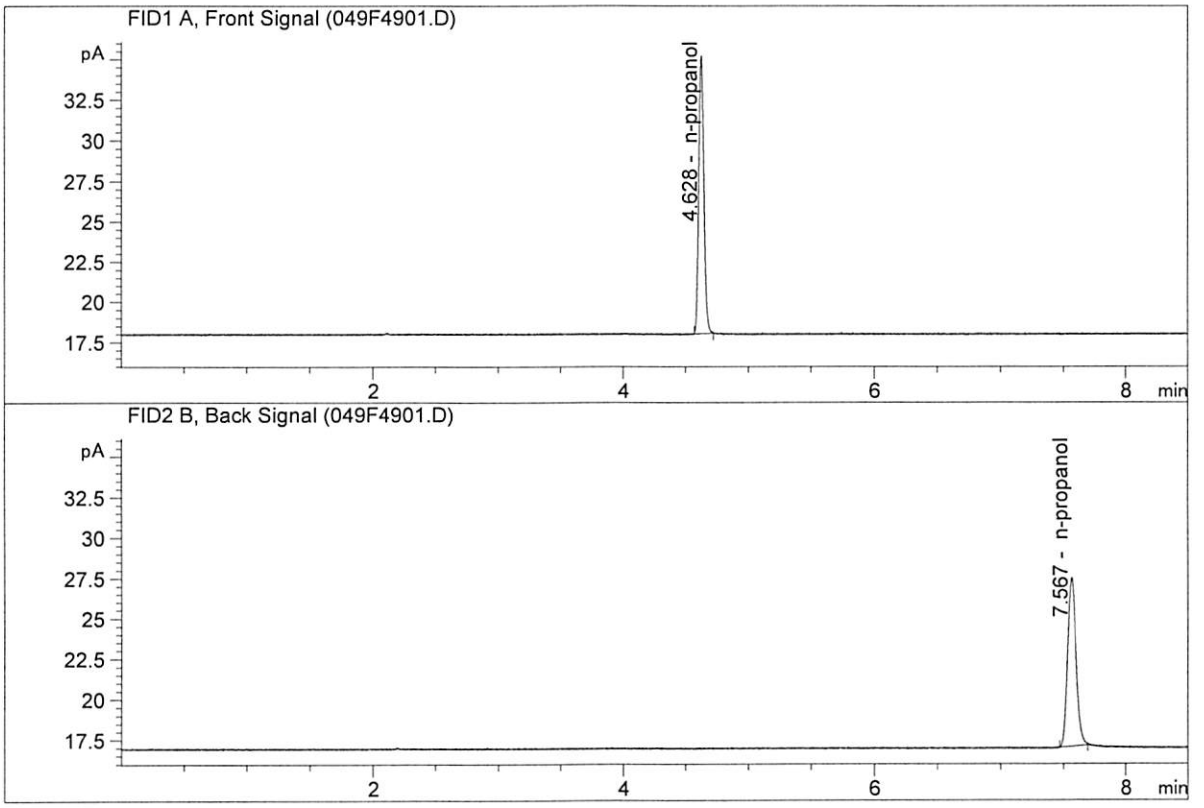


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.67016	0.1595	g/100cc
2.	Ethanol	Column 2:	7.87644	0.1608	g/100cc
3.	n-Propanol	Column 1:	25.18951	1.0000	g/100cc
4.	n-Propanol	Column 2:	25.42659	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 2
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

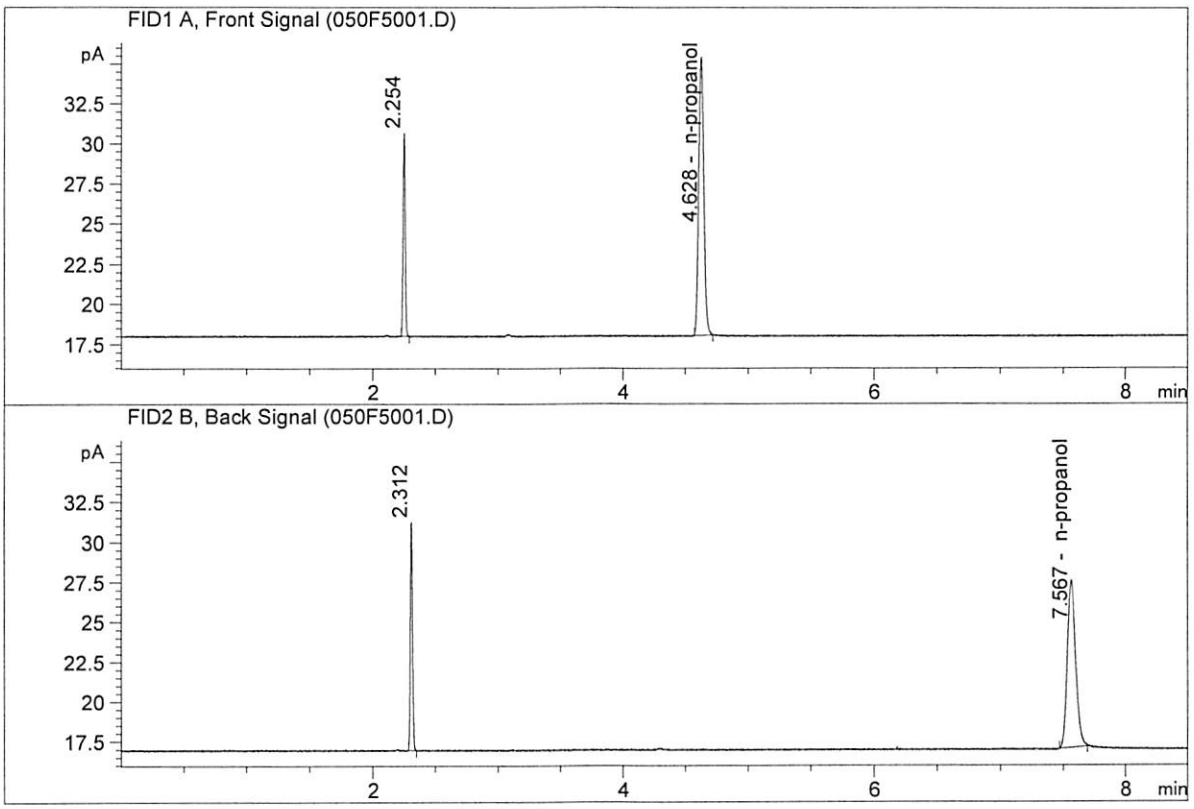


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	48.96532	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.26638	1.0000	g/100cc

KB

ISP Forensic Services Blood Alcohol Report

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

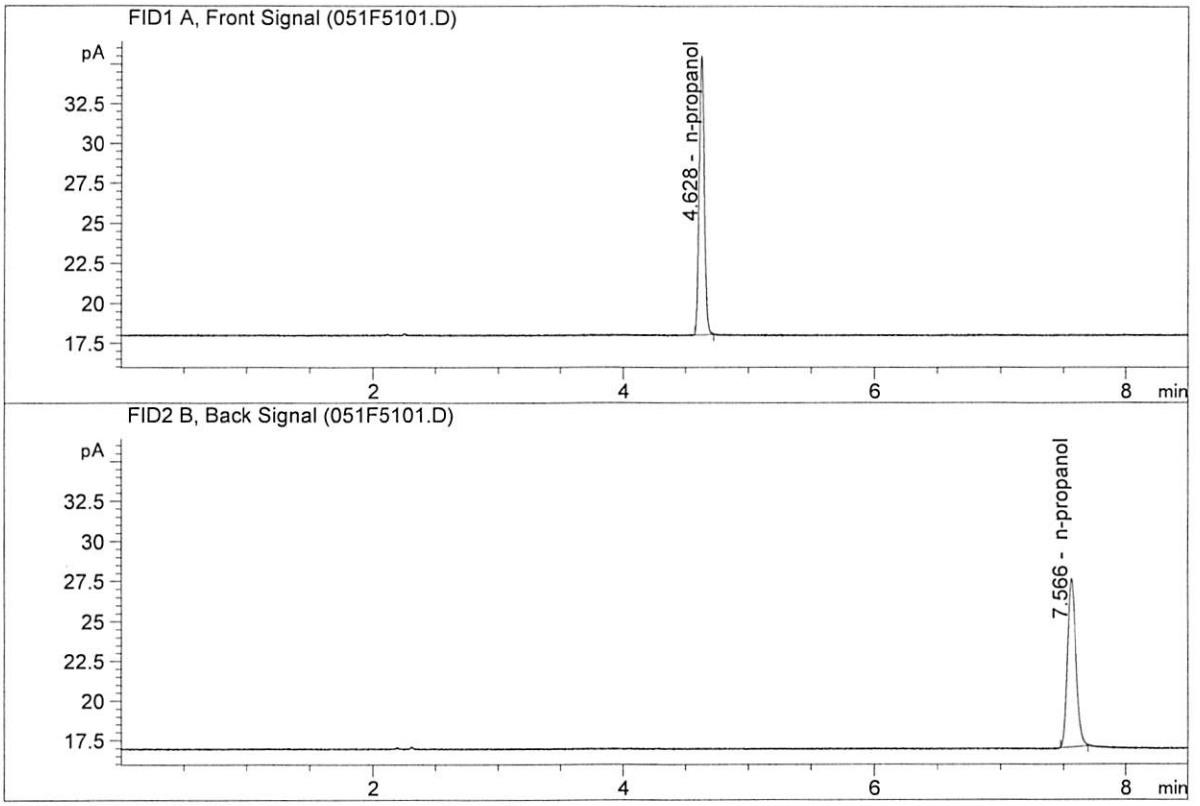


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	49.25163	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.54408	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

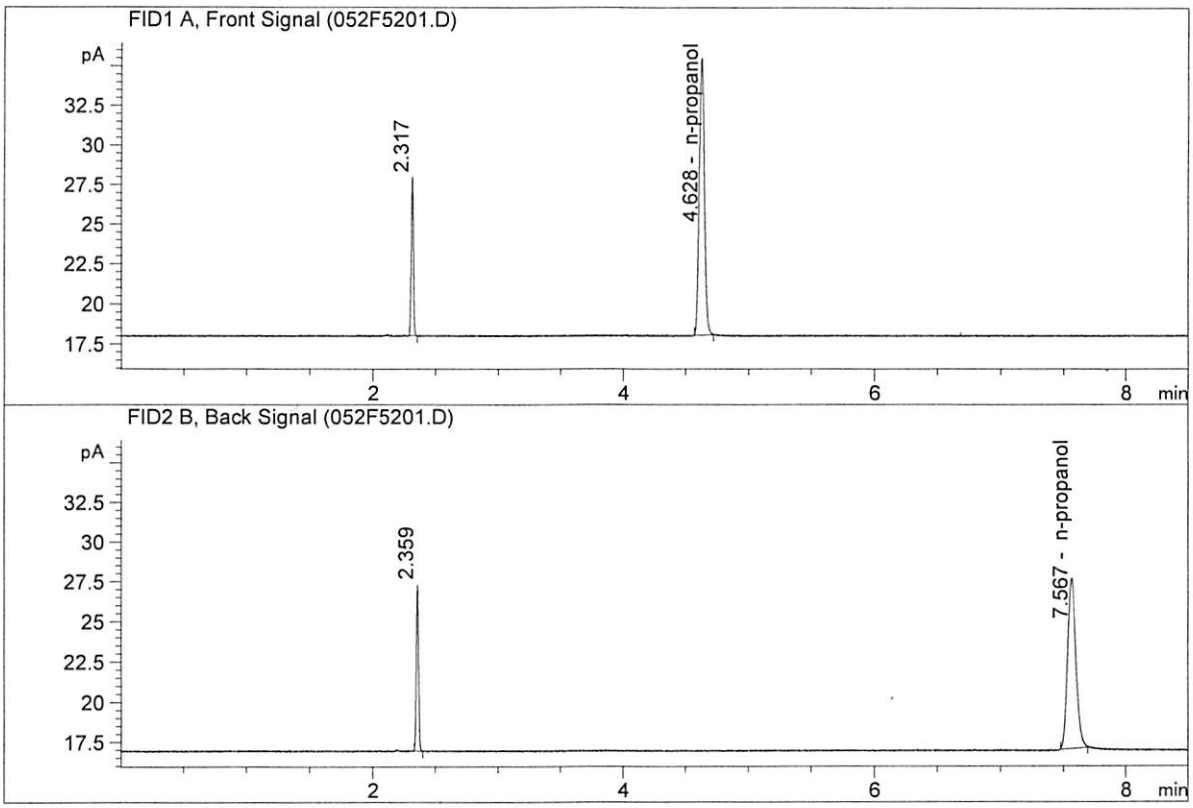
Sample Name : INTERNAL STD BLK 3
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	49.75223	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.99573	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

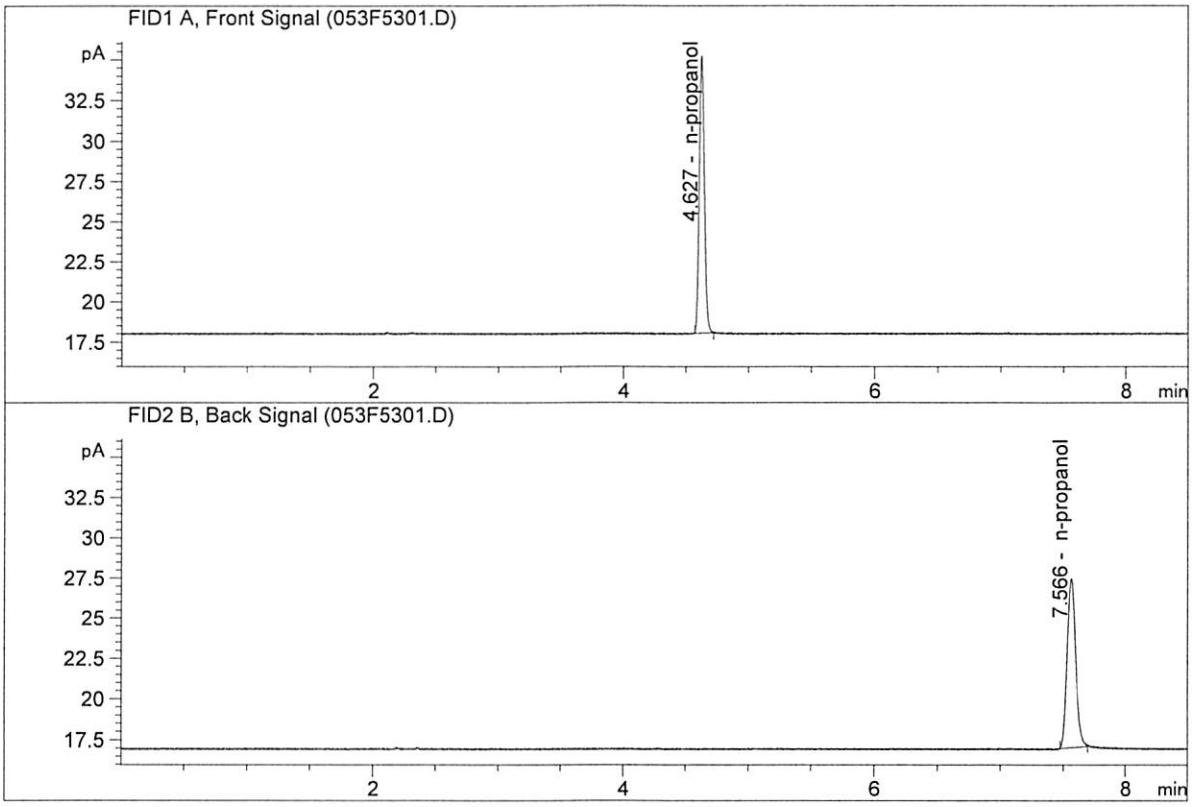
Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	49.74340	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.91555	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 4
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

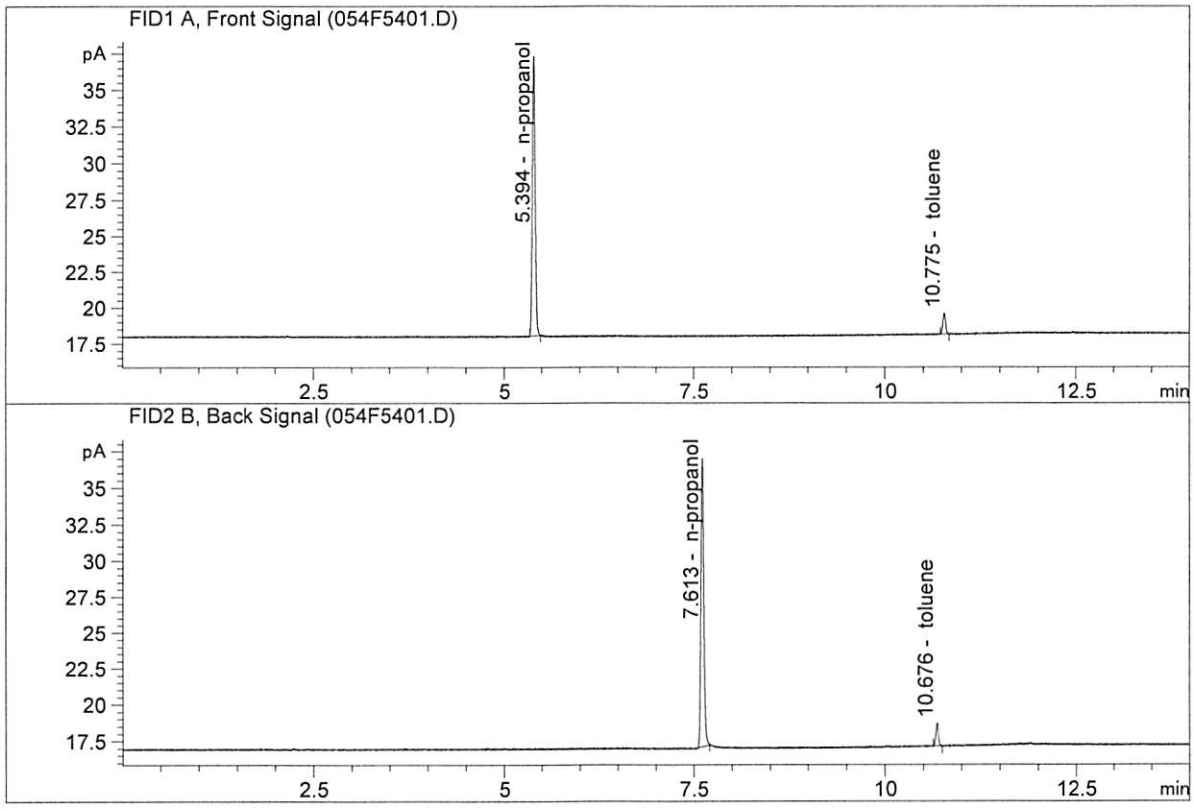


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	48.89298	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.13591	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

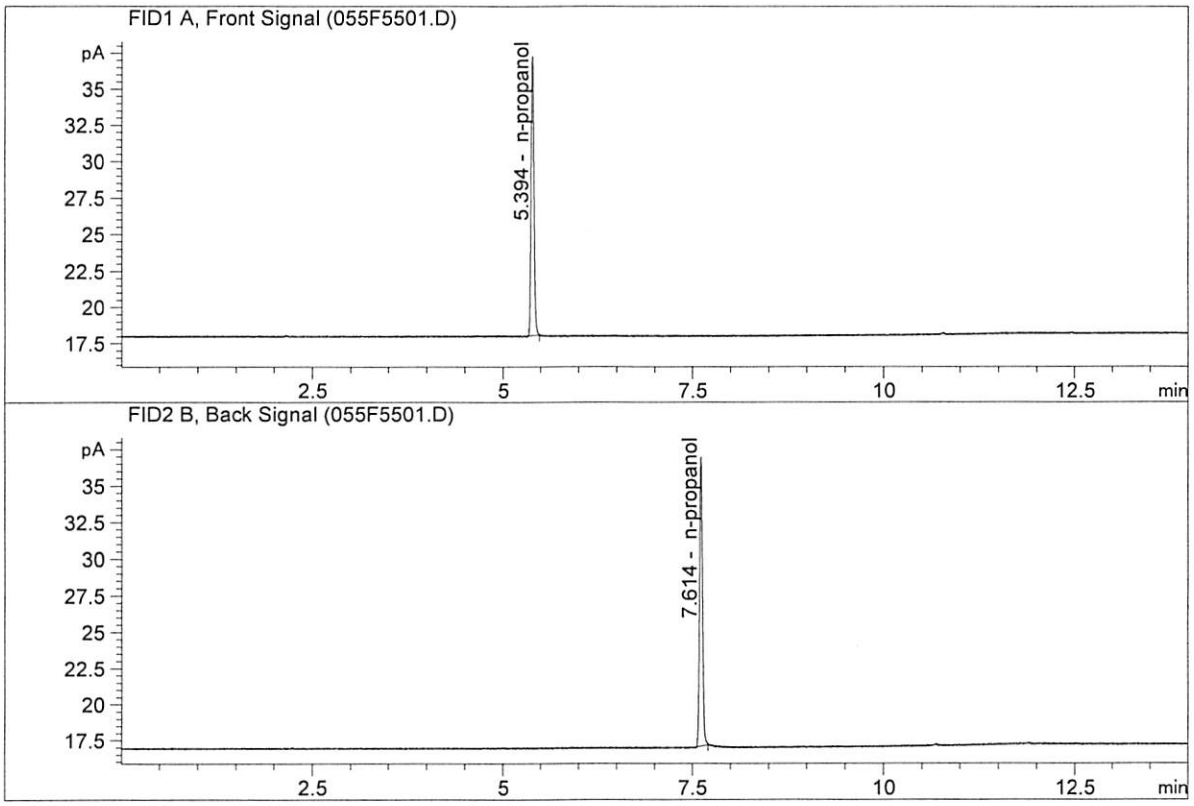
Sample Name : TOLUENE 002007
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	50.18713	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.73231	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 5
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167

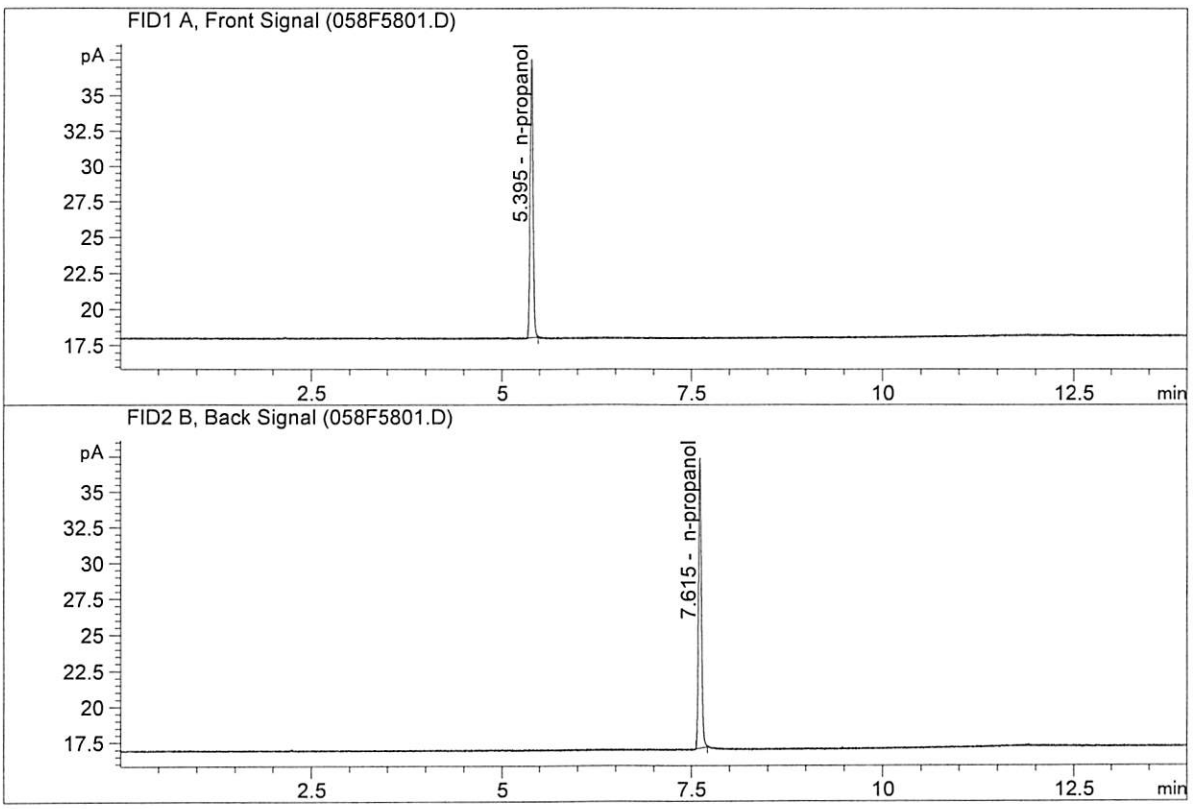


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	50.08216	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.82207	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 6
Laboratory : Meridian
Injection Date : Jul 24, 2018
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	50.81708	1.0000	g/100cc
4.	n-Propanol	Column 2:	53.77252	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\07-23-18_SAMPLES\07-23-18_SAMPLES 2018-07-23 15-50-45\07-23-18_SAMPLES.S
Data directory path: C:\Chem32\1\Data\07-23-18_SAMPLES\07-23-18_SAMPLES 2018-07-23 15-50-45\
Logbook: C:\Chem32\1\Data\07-23-18_SAMPLES\07-23-18_SAMPLES 2018-07-23 15-50-45\07-23-18_SAMPLES.LOG
Sequence start: 7/23/2018 4:05:32 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\07-23-18_SAMPLES\07-23-18_SAMPLES 2018-07-23 15-50-45\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D	2
2	2	1	MIX VOL FN060415	-	1.0000	002F0201.D	10
3	3	1	QC1-1-A	-	1.0000	003F0301.D	4
4	4	1	QC1-1-B	-	1.0000	004F0401.D	4
5	5	1	0.08 FN04171701-	-	1.0000	005F0501.D	4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D	4
7	7	1	M2018-3520-1-A	-	1.0000	007F0701.D	2
8	8	1	M2018-3520-1-B	-	1.0000	008F0801.D	2
9	9	1	M2018-3558-2-A	-	1.0000	009F0901.D	2
10	10	1	M2018-3558-2-B	-	1.0000	010F1001.D	2
11	11	1	M2018-3563-1-A	-	1.0000	011F1101.D	4
12	12	1	M2018-3563-1-B	-	1.0000	012F1201.D	4
13	13	1	M2018-3564-1-A	-	1.0000	013F1301.D	4
14	14	1	M2018-3564-1-B	-	1.0000	014F1401.D	4
15	15	1	M2018-3565-1-A	-	1.0000	015F1501.D	4
16	16	1	M2018-3565-1-B	-	1.0000	016F1601.D	4
17	17	1	M2018-3566-1-A	-	1.0000	017F1701.D	4
18	18	1	M2018-3566-1-B	-	1.0000	018F1801.D	4
19	19	1	M2018-3567-1-A	-	1.0000	019F1901.D	4
20	20	1	M2018-3567-1-B	-	1.0000	020F2001.D	4
21	21	1	M2018-3568-1-A	-	1.0000	021F2101.D	4
22	22	1	M2018-3568-1-B	-	1.0000	022F2201.D	4
23	23	1	M2018-3578-1-A	-	1.0000	023F2301.D	4
24	24	1	M2018-3578-1-B	-	1.0000	024F2401.D	4
25	25	1	QC2-1-A	-	1.0000	025F2501.D	4
26	26	1	QC2-1-B	-	1.0000	026F2601.D	4
27	27	1	M2018-3592-1-A	-	1.0000	027F2701.D	2
28	28	1	M2018-3592-1-B	-	1.0000	028F2801.D	2
29	29	1	M2018-3593-1-A	-	1.0000	029F2901.D	4
30	30	1	M2018-3593-1-B	-	1.0000	030F3001.D	4
31	31	1	M2018-3598-1-A	-	1.0000	031F3101.D	4
32	32	1	M2018-3598-1-B	-	1.0000	032F3201.D	4
33	33	1	M2018-3606-1-A	-	1.0000	033F3301.D	2
34	34	1	M2018-3606-1-B	-	1.0000	034F3401.D	2
35	35	1	M2018-3617-1-A	-	1.0000	035F3501.D	4
36	36	1	M2018-3617-1-B	-	1.0000	036F3601.D	4
37	37	1	M2018-3618-1-A	-	1.0000	037F3701.D	4
38	38	1	M2018-3618-1-B	-	1.0000	038F3801.D	4
39	39	1	M2018-3619-1-A	-	1.0000	039F3901.D	4
40	40	1	M2018-3619-1-B	-	1.0000	040F4001.D	4
41	41	1	M2018-3623-1-A	-	1.0000	041F4101.D	4
42	42	1	M2018-3623-1-B	-	1.0000	042F4201.D	4
43	43	1	M2018-3634-1-A	-	1.0000	043F4301.D	4

Sequence File C:\Chem32\...8_SAMPLES\07-23-18_SAMPLES 2018-07-23 15-50-45\07-23-18_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
44	44	1	M2018-3634-1-B	-	1.0000	044F4401.D		4
45	45	1	P2018-1985-1-A	-	1.0000	045F4501.D		4
46	46	1	P2018-1985-1-B	-	1.0000	046F4601.D		4
47	47	1	QC1-2-A	-	1.0000	047F4701.D		4
48	48	1	QC1-2-B	-	1.0000	048F4801.D		4
49	49	1	INTERNAL STD BLK	-	1.0000	049F4901.D		2
50	50	1	TFE 111914	-	1.0000	050F5001.D		2
51	51	1	INTERNAL STD BLK	-	1.0000	051F5101.D		2
52	52	1	DFE 111914OM	-	1.0000	052F5201.D		2
53	53	1	INTERNAL STD BLK	-	1.0000	053F5301.D		2

Method file name: C:\Chem32\1\Data\07-23-18_SAMPLES\07-23-18_SAMPLES 2018-07-23 15-50-45 \VOLATILES.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
54	54	1	TOLUENE 002007	-	1.0000	054F5401.D		4
55	55	1	INTERNAL STD BLK	-	1.0000	055F5501.D		2
56	56	1	M2018-3520-1-VOL	-	1.0000	056F5601.D		3
57	57	1	M2018-3520-1-VOL	-	1.0000	057F5701.D		3
58	58	1	INTERNAL STD BLK	-	1.0000	058F5801.D		2

Method file name: C:\Chem32\1\Data\07-23-18_SAMPLES\07-23-18_SAMPLES 2018-07-23 15-50-45 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
59	59	1	EMPTY	-	1.0000	059F5901.D		0

NB